FCC details

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Model ID: MPF001

ISED details

IC Company No.: 8906A
Certification No.: 8906A-MPF01002
Model No.: MPF001

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Operational Description

This device is a pet feeder with an integrated RFID reader that operates at 126kHz or 133kHz. The reader is normally used together with a sub-dermal RFID implant in the pet that is not provided with the product. The antenna is integrated into a plastic enclosure to form the antenna assembly and may not be modified by the user.

The pet feeder incorporates an infrared proximity detector that monitors for the presence of the pet. When the pet's presence has been determined then the RFID reader tries to read the tag ID number and compares it to a previously stored list. If the ID tag matches one of the stored codes then a motor opens the lid to allow the pet to feed. When the pet moves away from the feeder the lid is then closed after and adjustable delay.

The feeder can be used with either a single cavity bowl or a single bowl split into 2 separate cavities.

There are three buttons and one 3 way switch on the feeder, the three buttons are on the rear of the unit with the switch is underneath. The main functions of the buttons and the switch are as follows.

The first button allows the user to manually open and close the lid, for example to add food.

The second button when pressed puts the device into a learn mode. In this mode, when a pet puts its head through the antenna assembly, the reader reads the pet's ID tag number and stores it in the list of allowed animals. This list can be wiped if necessary by holding down the same button.

The third button can be used to select a training mode, in this case the lid does not fully close. This mode can be useful if the pet is initially unsure or nervous about using the feeder.

The 3-way switch adjusts the speed of operation of the feeder allowing the user to adjust the delay before the lid is closed once the pet is no longer detected by the RFID reader.

The feeder has a main LED which is used to indicate various states of the feeder, for example when it has read an ID tag and is opening or when it is in learn mode.

The device is battery powered and does not have any external connections.